

METHOD OF INDUCING CELL-MEDIATED PROTECTIVE
IMMUNITY AGAINST HIV USING LOW DOSES OF IMMUNOGENS

ABSTRACT OF THE DISCLOSURE

5 A method and composition is disclosed for inducing a
protective immunity against HIV by inoculation with immunogens
in low doses that are sufficient to induce a sustained cell-
mediated response to HIV but below the amount necessary to
induce an offsetting humoral response. The immunogens
10 available for use in this method include attenuated forms of
the HIV virus, subunits of the HIV virus, inactivated HIV
virus and subinfectious doses of live HIV virus, all delivered
at low doses. These immunogens can be prepared with suitable
carriers, adjuvants or diluents and administered either
15 intramuscularly, mucosally (e.g., orally), intravenously or
subcutaneously. The effectiveness of the initial dose of
immunogen can be monitored for the presence of a sufficient
cell-mediated response using a T-cell proliferation assay or
an interleukin-2 assay and monitored for the lack of
20 offsetting humoral response using commercially available ELISA
assays for anti-HIV antibodies. Depending upon the results of
the cell-mediated response assays, supplementary or "booster"
inoculations may be appropriate.